



Self-Propelled Equipment

At the time of the original permit request for self-propelled equipment, whether annual (blanket) or single trip, the schematics must be submitted indicating axle spacings, axle weights, gross weight and length of front and/or rear overhang prior to the issuance of a permit.

Explanation of symbols used in the following chart:

< - less than

> - greater than

OFF HIGHWAY USE SELF-PROPELLED EQUIPMENT

designed specifically for off highway use and has low pressure/floatation tires

	Extreme Wheelbase <u>Measurement</u>	Maximum Allowable <u>Weight</u>
SINGLE TANDEM AXLE		37,000 gross 50,000 gross
TWO (2) AXLE VEHICLE		
	<10'	65,000 gross
	10'>	70,000 gross
THREE (3) AXLE VEHICLE		
	single/tandem <16'	75,000 gross
	16'>	80,000 gross
	single/single/single	engineering study

TRAVEL RESTRICTIONS:

- 2 escorts required
- time of travel - 9:00 am – 2:30 pm
- total route of travel –maximum 15 miles

SELF-PROPELLED EQUIPMENT

	Extreme Wheelbase <u>Measurement</u>	Maximum Allowable <u>Weight</u>
TWO (2) AXLE VEHICLE		50,000 gross
	single/single 8'>	25,000 single
THREE (3) AXLE VEHICLE		70,000 gross
	single/tandem 15'>	25,000 single 50,000 tandem
FOUR (4) AXLE VEHICLE		
	quad grouping (less than 8' between any two consecutive axles) >18'	78,000 gross 20,000 per axle
	tandem/tandem >16' <22' 22'>	78,000 gross 50,000 tandem 90,000 gross 50,000 tandem
FIVE (5) AXLE VEHICLE		
	tandem/tri >24' <28' 28'>	86,000 gross 37,500 tandem 60,000 tri 94,500 gross 37,500 tandem 60,000 tri
	tandem/tandem/single 31'>	94,500 gross 50,000 tandem 15,000 single

SIX (6) AXLE VEHICLE

tri/tri	>29'	<34'	100,000 gross 60,000 tri
		34'>	108,000 gross 60,000 tri
tandem/tandem/tandem	>37'	<39'	100,000 gross 50,000 tandem with no two consecutive sets of tandems to exceed 90,000 lbs.
		39'>	108,000 gross 50,000 tandem with no two consecutive sets of tandems to exceed 90,000 lbs.
single/single/tandem/tandem	engineering study		
single/five axle grouping	engineering study		
tandem/quad axle grouping	engineering study		

SEVEN (7) OR MORE AXLE VEHICLE

For all seven (7) or more axle configurations the maximum gross weight is determined after an analysis of the weight distribution and axle configuration. Based on the analysis, the configuration may be allowed a maximum gross weight up to 122,000 lbs.

**ALL VARIATIONS OF AXLE CONFIGURATIONS
OTHER THAN THOSE LISTED PREVIOUSLY
WOULD REQUIRE INDIVIDUAL REVIEW**

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**CONTINUOUS TRAVEL
FOR SELF-PROPELLED TRUCK CRANES**

North Carolina law provides for a “legal overhang of 3 feet front overhang”.

CONTINUOUS TRAVEL (24 hours a day/7 days a week/365 days a year) is authorized **if the equipment meets the following criteria:**

- Gross vehicle weight does not exceed 112,000 lbs.
- Does not exceed a width of 8’ 6”.
- Does not exceed a height of 13’ 6”.
- Overhang both front and rear does not exceed a total combination of 10 feet in length, and
- All overhang is marked with the safety warning tape and equipment described below:
 1. High intensity glass bead retro-reflective sheeting (tape) measuring 2” x 12” to be displayed on
 - (A) extreme extension of both sides and on front/rear extension of overhang; and
 - (B) on each side of crane 24” from road surface at nearest feasible center point between steer and drive axles.
 2. Rear Lights in working order to be displayed on any rear overhang during travel as follows:
 - (A) Temporarily mounted brake light, and
 - (B) Flashing amber light (8” in diameter) minimum 800 watt candle power.



Self-Propelled Schematic Worksheet

A Form PF-21 needs to be completed for each individual unit.

Check the appropriate box:

- ☐ Self-propelled truck crane
☐ Self-propelled drill rig
☐ Rough terrain crane (floatation/low pressure tires)
☐ Scraper (floatation/low pressure tires)
☐ Other _____

Serial Number: _____

Average speed _____ mph

Overall Width _____ ft. _____ inches

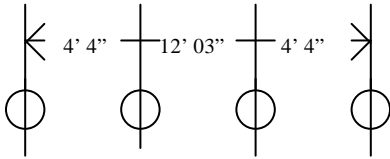
Overall Length _____ ft. _____ inches

Front Overhang _____ ft. _____ inches

Rear Overhang _____ ft. _____ inches

Total Number of Axles: _____

Example:



Single axle - (hub to hub) axle measurement more than 96 inches (8 ft.) between axles.

Tandem axle - (hub to hub) axle measurement is between 40 inches (3' 4") and 96 inches (8 ft.).

Enter diagram of equipment below:

Company Name

Contact Person

(Area Code) Telephone Number

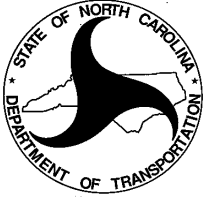
Fax to: (919) 733-7828

If you have questions concerning this form, please contact:

North Carolina Department of Transportation

Oversize/Overweight Permit Unit

1-888-574-6683 or (919) 733-7154



**North Carolina Department of Transportation
Oversize/Overweight Permit Unit
1425 Rock Quarry Road, Suite 109
Raleigh, NC 27610**

**GENERAL USE SINGLE TRIP PERMIT
FOR NON-DIVISIBLE QUALIFYING LOADS**

(Mobile/Manufactured Home Permit Applications

are required to use special form PF-22)

Telephone: 1-888-LRG-MOVE

(574-6683)

Fax: (919) 733-7828

**Fee: \$12-width
\$12-length
\$12-height
\$12-weight**

TO RECEIVE BY:

☐ **Permit Wire Service**

NAME OF PERMIT WIRE SERVICE _____

☐ **Credit Card**
(\$10.00 Authorization/Transmittal Fee)

(CREDIT CARD NUMBER) _____

(EXPIRATION DATE) _____

☐ **Direct Fax**

DIRECT FAX ACCOUNT NUMBER _____

☐ **Pickup**

☐ **Cash** ☐ **Check #** _____

Effective Date _____

Refer to Permit No. _____
(For quick reference)

☐ **Tractor/Trailer** ☐ **Truck/Trailer** ☐ **Truck** ☐ **Hauling** ☐ **Towing** ☐ **Self-Propelled**
(schematics required)

Applicant _____
REGISTERED OWNER / LESSEE

DELIVER BY: ☐ **FAX** ☐ **EMAIL**

Address _____
STREET

Fax # (_____) _____ - _____
AREA CODE

CITY _____ STATE _____ ZIP _____

Email _____

Gross Weight _____ **Registered License Wt.** _____ **Total No. Axles of Combination** _____

Extreme Wheelbase Measurement (Hub to Hub) of Vehicle/Vehicle Combination _____ ft. _____ inches

Overall: Width _____ **Length** _____ **Height** _____ **Front Overhang** _____ ft. **Rear Overhang** _____ ft. **Trailer Length** _____ ft.

Trailer Design: ☐ **Flat Bed** ☐ **Single Drop** ☐ **Double Drop** ☐ **Stretch** ☐ **Other** _____
(Specific Design)

Commodity ☐ **Hauled** ☐ **Towed** _____

(If transporting Construction Equipment, specific type/design is required. Provide length of piece if transporting beams/girders.)

If commodity is being hauled, how is it loaded:

☐ **Directly on Trailer** ☐ **Flat Rack Ship Container** ☐ **Sealed Ship Container** ☐ **Other** _____
(Specific Description)

If hauling multiple pieces, how are they loaded: ☐ **Stacked** ☐ **Side by Side** ☐ **In Line**

Origin _____ **Destination** _____
(Exact Location/Address/Jct.) (Exact Location/Address/Jct.)

Requested route(s) of travel _____
(To include specific County Road Numbers, NC, US and Interstate Routes)

License No. of truck/tractor/special mobile equipment _____ **State** _____

Serial/VIN number (last 5 digits) of truck/tractor/special mobile equipment _____ **USDOT #** _____

Requested by _____ **Telephone** (____) _____ **Date** _____

CREDIT CARD NUMBER

EXPIRATION DATE

☐ **Tractor/Trailer** ☐ **Truck/Trailer** ☐ **Truck** ☐ **Hauling** ☐ **Towing** ☐ **Self-Propelled**
(schematics required)

Applicant _____ **Telephone** (_____) _____ - _____
(Registered Owner/Lessee as it appears on truck registration card) _____ **Area Code** _____

Address _____
(Street) (City) (State) (Zip)

Gross Weight _____ Registered License Weight _____ Total No. Axles of Vehicle Combination _____

Extreme Axle Measurement (front hub to rear hub) of Vehicle/Vehicle Combination _____ Ft. _____ Inches.
(Complete if applying for an overweight permit)

Please provide requested routes of travel on form PF-2A or attach a copy of a permit containing the desired routes when requesting a gross weight in excess of 90,000 lbs. for a tractor/trailer combination or in excess of 80,000 lbs. for qualifying special mobile equipment.

Description of Load _____

Overall: Width _____ Length _____ Height _____
 Legal 8'6" Maximum 13'6"

Front Overhang _____ ft. **Rear Overhang** _____ ft. **Trailer Length** _____ ft.

License No. of truck/tractor/special mobile equipment _____ **State** _____
(Submit Copy of Current Registration Card)

Serial/VIN number (last 5 digits) of truck/tractor/special mobile equipment _____ **USDOT #** _____

If more than one vehicle, list serial/VIN number(s) and current license number(s) on separate sheet. **Submit copy of current registration card for each vehicle.**

I certify that the information given in this application is correct, that the vehicle(s) listed hereon is properly licensed; that the vehicle owner(s) has met all financial responsibility requirements, and that the operator is properly licensed to operate the vehicle in the State of North Carolina.

Signed _____ Date _____

- (1) **Application for initial permit issue or copy of expiring permit.**
- (2) **Copy of current vehicle registration.**
- (3) **Payment. (Payable to NCDOT)**
PERSONAL CHECKS WILL NOT BE ACCEPTED

**NC Department of Transportation
Oversize/Overweight Permit Unit
1425 Rock Quarry Road, Suite 109
Raleigh, North Carolina 27610
Fax # (919) 715-5616**